

TWO SUPERB HIGH-SPEED TAPE DUPLICATING SYSTEMS

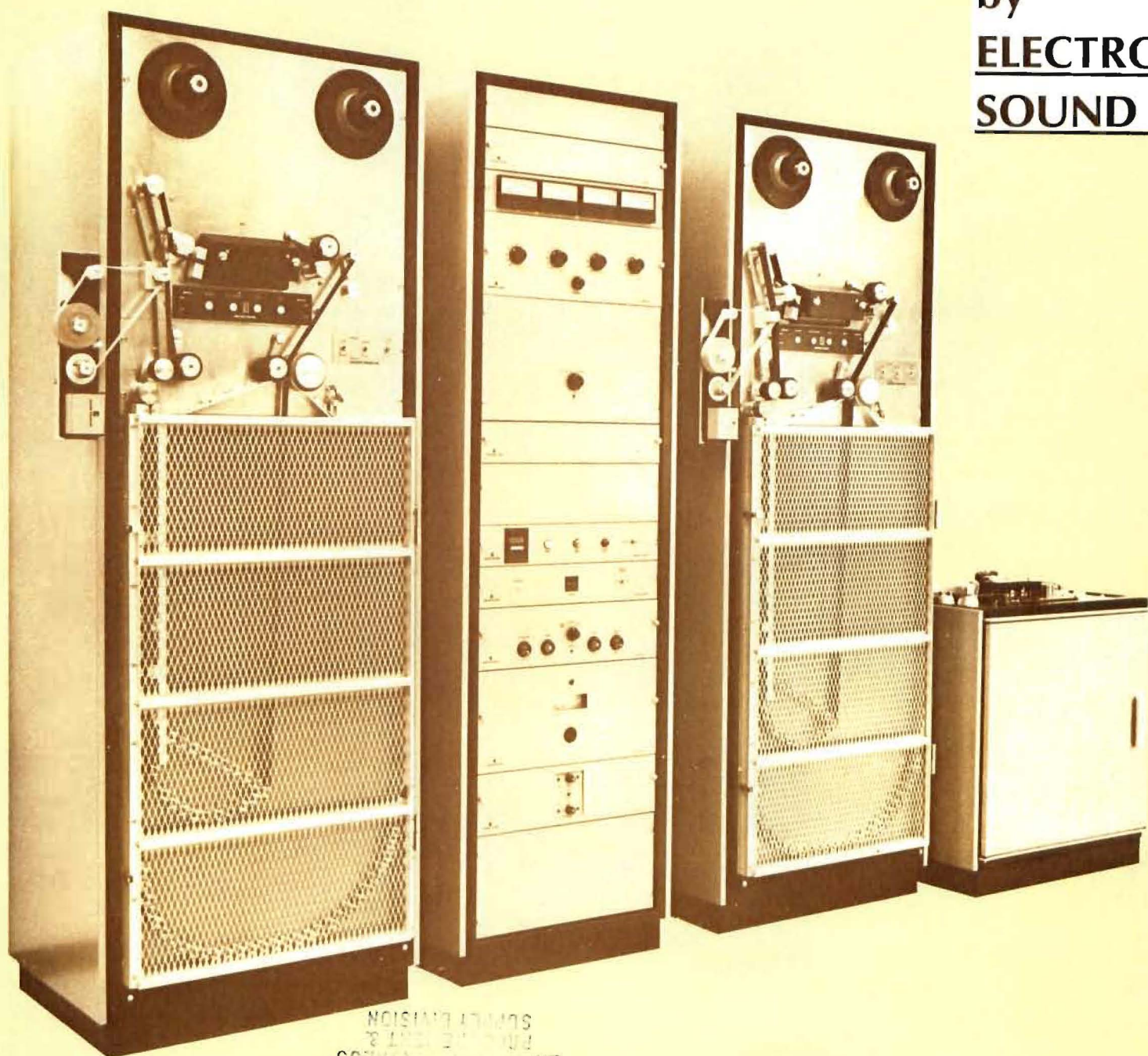
The 6000

The 4000

by

ELECTRO

SOUND



RECORDED
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LIBRARY
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SOUND DIVISION

Introducing TWINBIN,
the latest in high-speed,
quality duplicating equipment
designed for instant master change-
over, with new unsurpassed frequency
response, long life and low maintenance.

ELECTRO SOUND 6000 SYSTEM

SPECIAL FEATURES

- New unsurpassed frequency response
- TWINBIN dual master (optional)
- Cooler slave operation
- 32:1 high speed tape duplication
- 240 ips master transport
- proven loop bin for ¼", ½", or 1" running masters
- automatic cue tone injection
- automatic program counter
- automatic slave start sequencing
- constant tension slave servos
- fully automatic reel-to-reel mode
- crystal controlled bias generator

PERFORMANCE CHARACTERISTICS

Tape Speed

Master 240 ips/Slave 60-120 ips

Frequency Response

40 to 15,000 Hz ± 2 dB *

3% ips duplicates from 7½ ips NAB masters:
40 to 15,000 Hz ± 2 dB

Reel Size Capacity

Up to 14-inch diameter reels on take-up and supply turntables for both master and slave

Wow and Flutter

Will not contribute more than 0.1% wow and flutter in duplicates, measuring all components between 0.5 and 200 Hz. At any duplicating speed measured in accordance with ASA standards. Z57.1-1954.

Power Requirements

220/125 V., 50 or 60 Hz

Power Consumption

Master and Electronics: 1320 volt-amps

Each slave: 560 volt-amps

* using Memorex MRZ₂ Tape

Dimensions and Weight

Master Transport Rack

depth: 61 cm (24"), width: 69 cm (27"),
height: 196 cm (77")

Uncrated Weight: 207 Kg (455 lbs.)

Shipping Weight: 282 Kg (620 lbs.)

213 cm x 92 cm x 91 cm (84" x 36"
x 36")

Shipping Volume: 1.8 stere (64.1 cu. ft.)

Electronic Rack

depth: 56 cm (22"), width: 57 cm (22.5"),
height: 196 cm (77")

Uncrated Weight: 204 Kg (450 lbs.)

Shipping Weight: 284 Kg (625 lbs.)

213 cm x 92 cm x 78 cm (84" x 36" x 31")

Shipping Volume: 1.59 stere (55.8 cu. ft.)

Slave Recorders

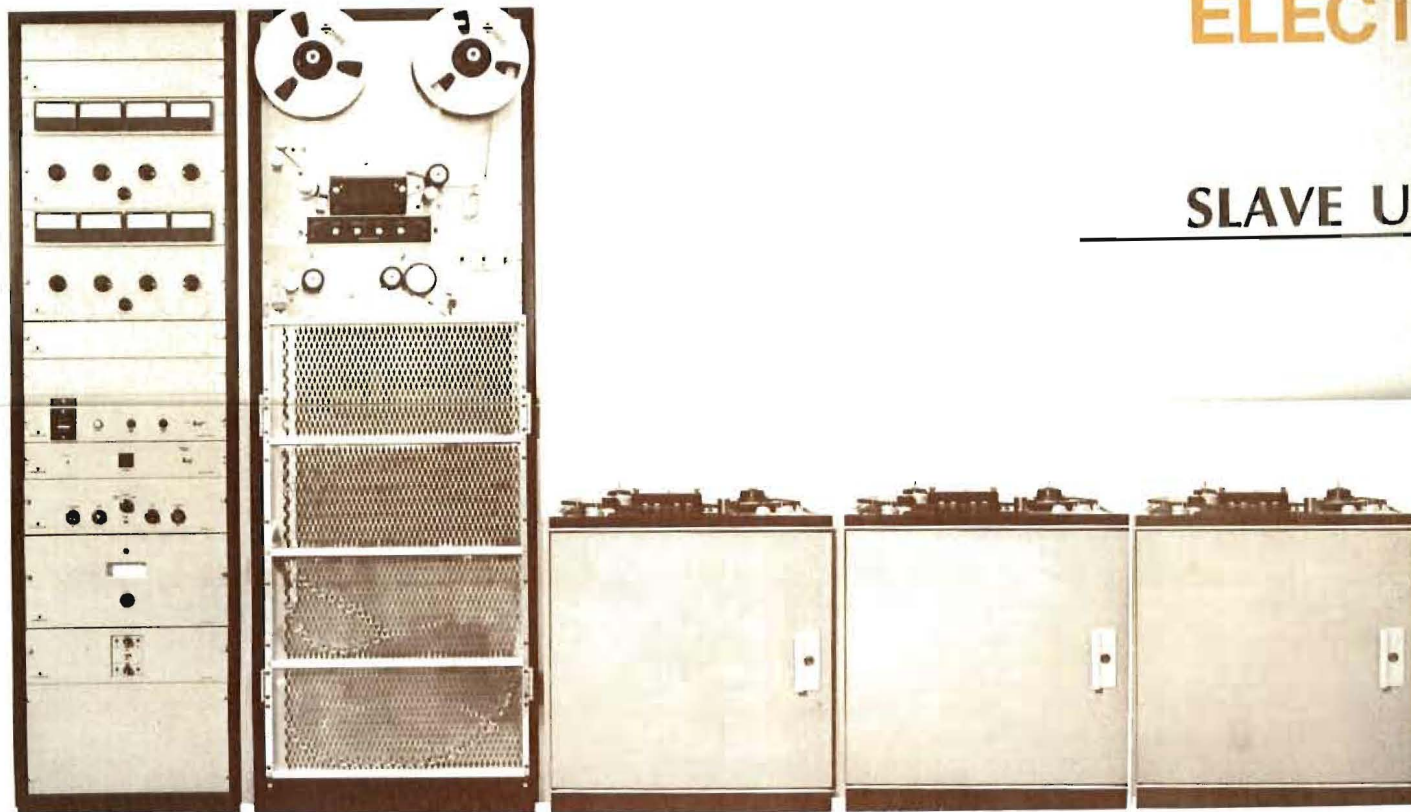
depth: 67.3 cm (26.5"), width: 70 cm (27.5"),
height: 75 cm (30")

Uncrated weight: 102 Kg (225 lbs.)

Shipping Weight: 136 Kg (300 lbs.)

79 cm x 79 cm x 107 cm (31" x 31" x 42")

Shipping Volume: 6.7 decistere (25 cu. ft.)



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SLAVE UNITS

ELECTRO SOUND 4000 SYSTEM

PERFORMANCE CHARACTERISTICS

Tape Speed

Master 120 ips/Slave 30-60 ips

Frequency Response

7½ips duplicates from 15 ips NAB masters:
40 to 12,000 Hz (±2dB)

masters: 40 to 10,000 Hz (±2 dB)

40 to 10,000 Hz (±2dB)

Wow and Flutter

Will not contribute more than 0.1% wow and flutter in duplicates, measuring all components between 0.5 and 200 Hz. At any duplicating speed measured in accordance with ASA standards. Z57.1-1954.

Reel Size Capacity

Master reproducer and slaves up to 14 inches diameter on supply and take-up turntables. (Integral scrape flutter idlers on all head assemblies reduce scrape flutter to a minimum.)

Power Requirements

50 or 60 Hz. 220/120 V., single phase

Power Consumption

Master and Electronics: 1200 volt-amps
Each additional slave: 360 volt-amps

Dimensions and Weight

Master Transport Rack

depth: 61 cm (24"), width: 69 cm (27")
height: 196 cm (77")

Uncrated weight: 184 Kg (405 lbs.)

Shipping weight: 288 Kg (635 lbs.)

213 cm x 92 cm x 91 cm (84" x 36" x 36")

Shipping volume: 1.8 stere (64.1 cu. ft.)

Electronics Rack

depth: 56 cm (22"), width: 57 cm (22.5")
height: 196 cm (77")

Uncrated weight: 124 Kg (273 lbs.)

Shipping weight: 206 Kg (453 lbs.)

Shipping volume: 1.59 stere (55.8 cu. ft.)

Slave Recorders

depth: 67.3 cm (26.5"), width: 70 cm (27.5")
height: 75 cm (30")

Uncrated weight: 80 Kg (177 lbs.)

Shipping weight: 107 Kg (235 lbs.)

Shipping volume: 7.6 decistere (25 cu. ft.)

Slave Operating Controls

Bias, record level, and high-frequency adjustments for each recorded track. Bias switch and metering terminals are also provided. Interchangeable ferrite record head assemblies.

SPECIAL FEATURES

- Excellent frequency response
- moderately priced
- 16:1 tape duplicating ratio
- 120 ips master transport
- proven loop bin for ¼", ½", or 1" running masters
- cassette/8-track interchangeability

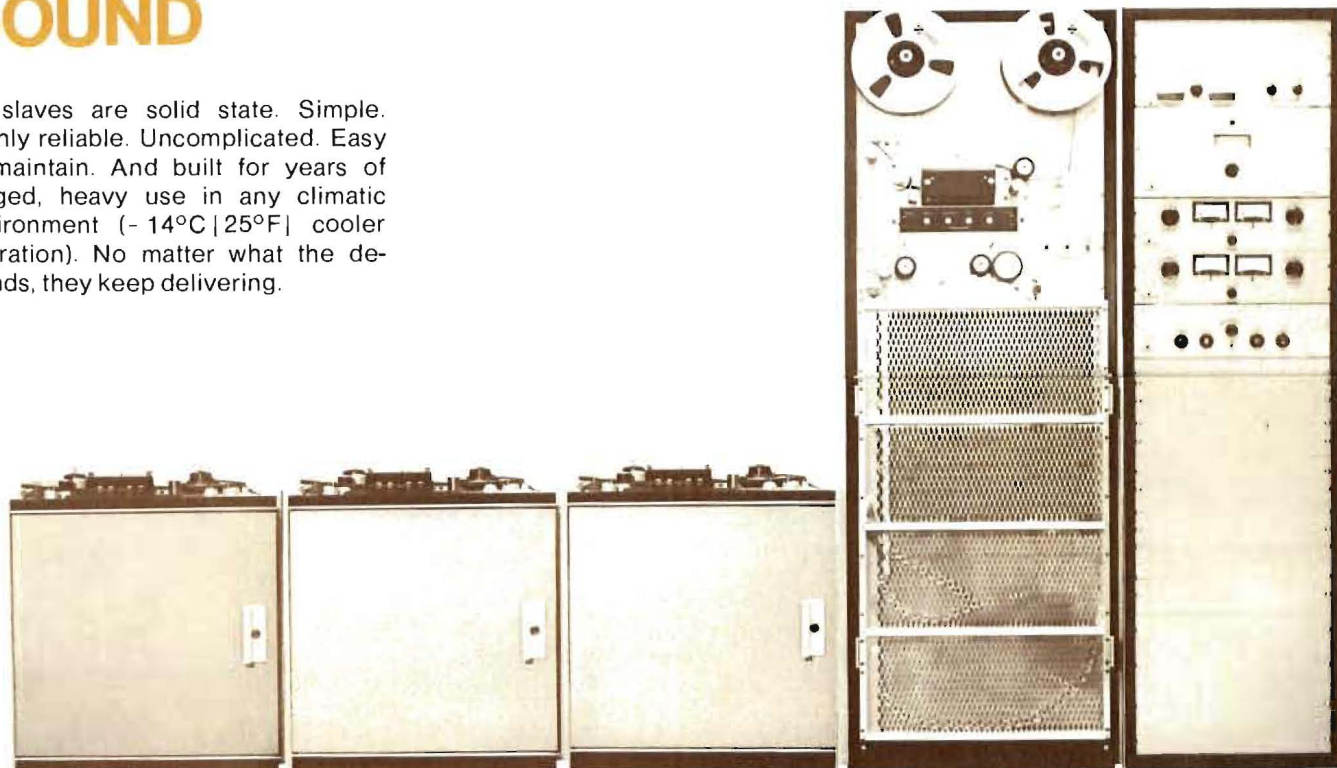
ACCESSORIES

- TWINBIN dual master
- automatic program counter
- automatic sequencing
- automatic reel-to-reel operation

TRO SOUND

NITS

All slaves are solid state. Simple. Highly reliable. Uncomplicated. Easy to maintain. And built for years of rugged, heavy use in any climatic environment (-14°C | 25°F | cooler operation). No matter what the demands, they keep delivering.

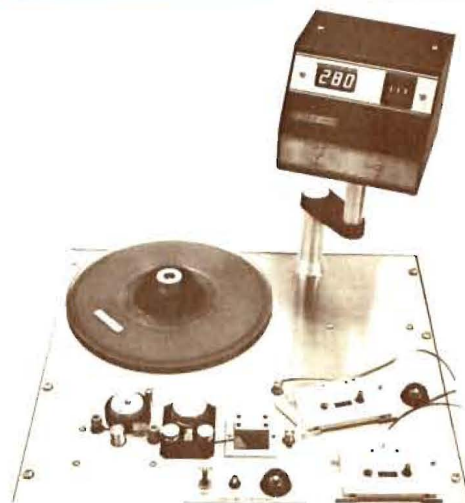


ACCESSORIES



GEMINI Cartridge Winder

Fastest dual 8-track winder in the world. 240 ips. Ups output by up to 100%. Takes supply reels up to 14". Digital footage counter assures exact lengths. Pushbutton simple. Rugged, reliable.



ES 100-2C Dual Cassette Winder

New digital counter increases versatility. Recognizes subsonic cue signal to cut tape between program elements on reel. Splicer mounts directly on top panel for convenient and rapid splicing. Minimal operator training required. Winds cassettes up to C-120. Winding speed 120 ips.



Quality Control Reproducers

Electro Sound's Quality Control Reproducers. Indispensable aids in maintaining consistent excellence in duplicated tapes. Model QC-III for stereo cassettes and cartridges; Model QC-IV for stereo and quad cartridges.



Automatic Tape Splicer

Model 200.01 for 1/4" tape.

Model 200.02 for .150" tape.

Automatically die-cuts and applies the splice for uniform, dependable bonding.



Slave Adjustment Calibrator

Lightweight, portable, 9-volt battery operated. Reads recorded output level so proper record and bias levels can be set on high-speed slaves. Full 4-, 8-track and cassette calibrated. Reversible guides for 1/4" or .150".



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